Newzen Consultants Bangalore

NC/QC/PD/2018-19/PM-SSM1 Date: 12-04-2018

1.TESTING OF STONE SAMPLE :

Sub: Testing of Size stone.

{Project*: Development of Park and other Improvement Work in Sy.No.33 of Mallasandra in ward No-13.}

Ref.: Material testing/QC/17-18,

Report Required for: Assistant Executive Engineer,
Project Division, Dasarahalli Zone,
BBMP, Bangalore.

Name of the Agency/Contractor*: Technical Manager, KRIDL.

Technical Reference: IS 1121(Part 1) -1974 (R.A on 1998)

Table 1.1 :

SL No	Details of Tests	Observed Value	Normal Values
01	Compressive Strength	**1350.00** Kg/ Sqcm	Not less than 1000.00 Kg/Sqcm
02	Water absorption,%	**0.38 %**	Not more than 2.0 %

Asst. Executive Engineer
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Bruhat Bengaluru Mahanagara Palike

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M.E, (Civil-Engg)

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Proprietor

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NC/QC/PD/2018-19/PM-SSM2 Date: 16-04-2018

1.TESTING OF STONE SAMPLE :

Sub: Testing of Size stone.

{Project*: Development of Park and other Improvement Work in Sy.No.33 of Mallasandra in ward No-13.}

Ref.: Material testing/QC/17-18,

Report Required for: Assistant Executive Engineer,
Project Division, Dasarahalli Zone,
BBMP, Bangalore.

Name of the Agency/Contractor*: Technical Manager, KRIDL.

Technical Reference: IS 1121(Part 1) -1974 (R.A on 1998)

Table 1.1 :

SL No	Details of Tests	Observed Value	Normal Values
01	Compressive Strength	**1345.00** Kg/ Sqcm	Not less than 1000.00 Kg/Sqcm
02	Water absorption,%	**0.39 %**	Not more than 2.0 %

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NC/QC/PD/2018-19/PM-C3 Date: 18-04-2018

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
{Project*: Development of Park and other Improvement Work in Sy.No.33 of Mallasandra in ward No-13.}
Ref.: Material testing/QC/17-18,
Report Required for: Assistant Executive Engineer,
Project Division, Dasarahalli Zone,
BBMP, Bangalore.
Name of the Agency/Contractor*: Technical Manager, KRIDL.

PHYSICAL TESTS ON CEMENT

Brand : ACC
Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**162 min**	Shall not be less than 30 min
2	Final setting time	**276 min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**2.06%**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**2.18 mm**	Shall not be more than 10 mm
5	Compressive strength a) 3 days (average of three results)	**29.52 N/Sq mm**	Shall not be less than 27 N/Sqmm

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NC/QC/PD/2018-19/PM-FA1 Date: 18-04-2018

1. TESTING OF FINE AGGREGATES :

Sub: Testing of Fine Aggregates.

{Project*: Development of Park and other Improvement Work in Sy.No.33 of Mallasandra in ward No-13.}

Ref.: Material testing/QC/17-18,

Report Required for: Assistant Executive Engineer,
Project Division, Dasarahalli Zone,
BBMP, Bangalore.

Name of the Agency/Contractor*: Technical Manager, KRIDL.

TABLE - 1.1 : SIEVE ANALYSIS :

IS Sieve Size,mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -II	
04.75	**99.05**	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	**85.30**	60-95	75-100	85-100	
01.18	**68.15**	30-70	55-90	75-100	
600. mic	**42.75**	15.34	35-59	60-79	
300.mic	**24.60**	5-20	8-30	12-40	
150.mic	**8.05**	0-10	0-10	0-10	

TABLE 1.2 ;

Sl No	Test Conducted	Sample	Results	Requirements as Per IS. Specification IS :383-1970 (Reaffirmed 2002)
1	Bulking of Sand	001	**16.18 %**	-----
2	Silt Content	----	**0.62%**	Not more than 8%
3	Specific Gravity	----	**2.62**	------

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NC/QC/PD/2018-19/PM-CA1 Date: 18-04-2018

1. TESTING OF COARSE AGGREGATES (20 mm):

Sub: Testing of Construction Materials.

{Project*: Development of Park and other Improvement Work in Sy.No.33 of Mallasandra in ward No-13.}

Ref.: Material testing/QC/17-18,

Report Required for: Assistant Executive Engineer,
Project Division, Dasarahalli Zone,
BBMP, Bangalore.

Name of the Agency/Contractor*: Technical Manager, KRIDL.

Table - 1.1 : SIEVE ANALYSIS :

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2002) % Passing	
	20 mm Sample	Single size	Graded
40 mm	**100.00**	100.00	100.00
20 mm	**98.30**	85-100	90 - 100
10 mm	**45.12**	0 - 20	25 - 55
4.75 mm	**3.60**	0 - 5	0 - 10

TABLE 1.2 :

SL No	Test conducted	Results	Requirements as per IS:383-1970 & Tests Conforms to IS 2386(Part I to IV) – 1963 (Reaffirmed on 2002)
1.	Flakiness Index	**19.36 %**	Not to exceed 25 %
2.	Crushing value	**26.18 %**	Not to exceed 45 % for concrete other than for wearing surfaces and 30% for concrete for wearing surfaces

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